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Sheet "GE020260"

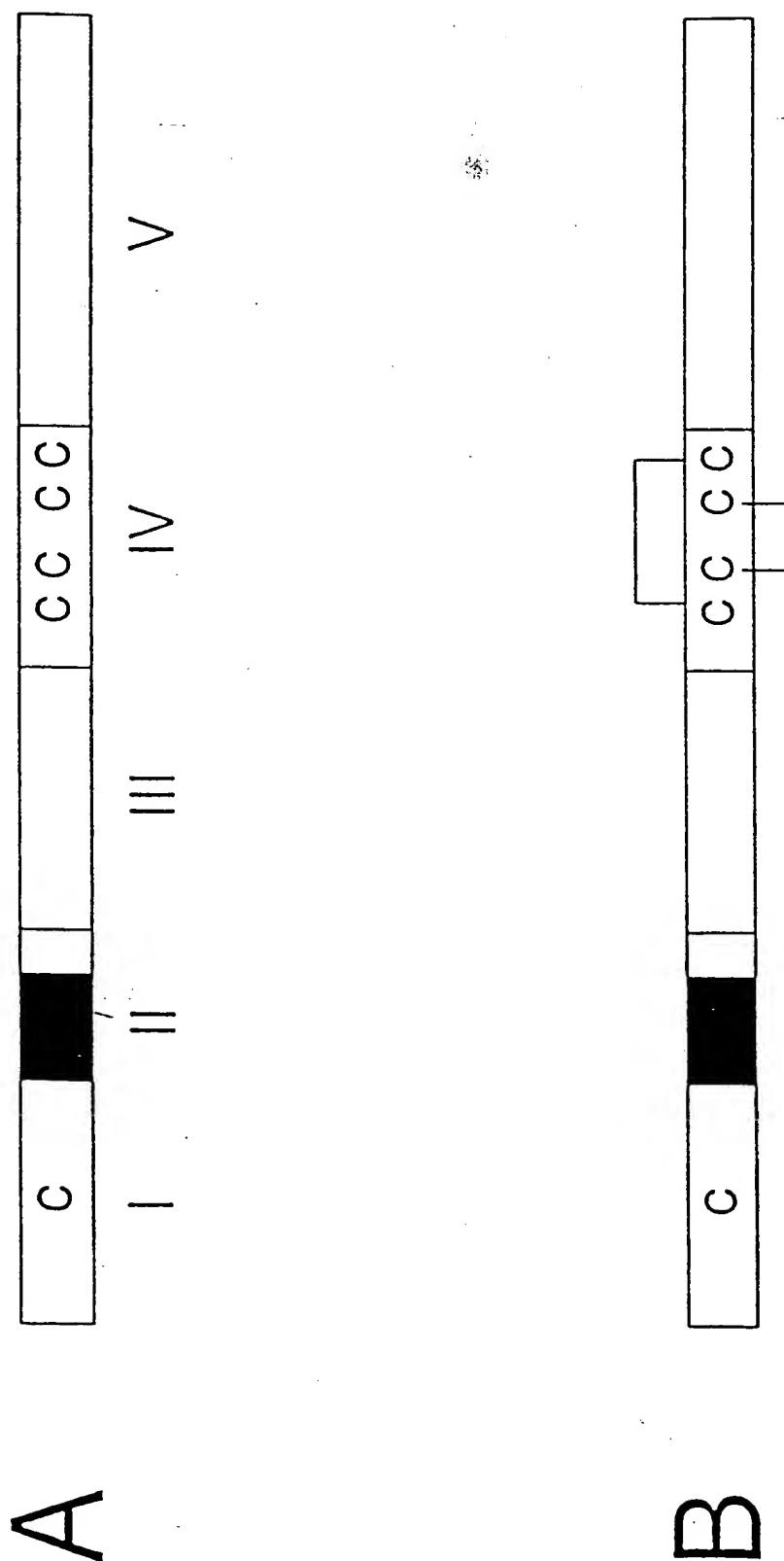


FIGURE 1

		150	160	170	180	190	195
1	KQRQKPPSKPNDHFHFEVFNFCISNNPTCWAICKRIPNKKPGKK					A2	
2	-----N-----					Long A	
3	-----					A 642	
4	-H-----					A 6614	
5	-----N-----					A 6256	
6	-----N-----					A 6190	
7	-----N-----					A 5857	
8	-----					A 1734	
9	-S-SKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 18537	
10	-S-SKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 8/60	
11	-P-PKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 1355	
12	-P-LKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 15291*	
13	-P-LKN--K--KD-Y-----G--QL-KS--T--SSN--K--					B 10010*	
14	-P-LKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 4843	
15	-S-SKN--K--KD-Y-----G--QL-KS--T--SN--K--					B 9320	
16	NPSGSI--ENHQDHNN-QTLPY---T-EG-LA-LSL-HIETRA-SRA					Bovine	
17	-----P-----R-----					AR10c/1	
18	-----S-----R-T-----					AR10c/10	

FIGURE 2

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* Isolates from the same child with an interval of one year between isolations.

Isolates of the human A variants R10c/1 and R10c/10 were generated by propagation of the Long A strain in the presence of a monoclonal antibody directed at the cysteine containing constant region on the G protein.

FIGURE 2 (cont.)

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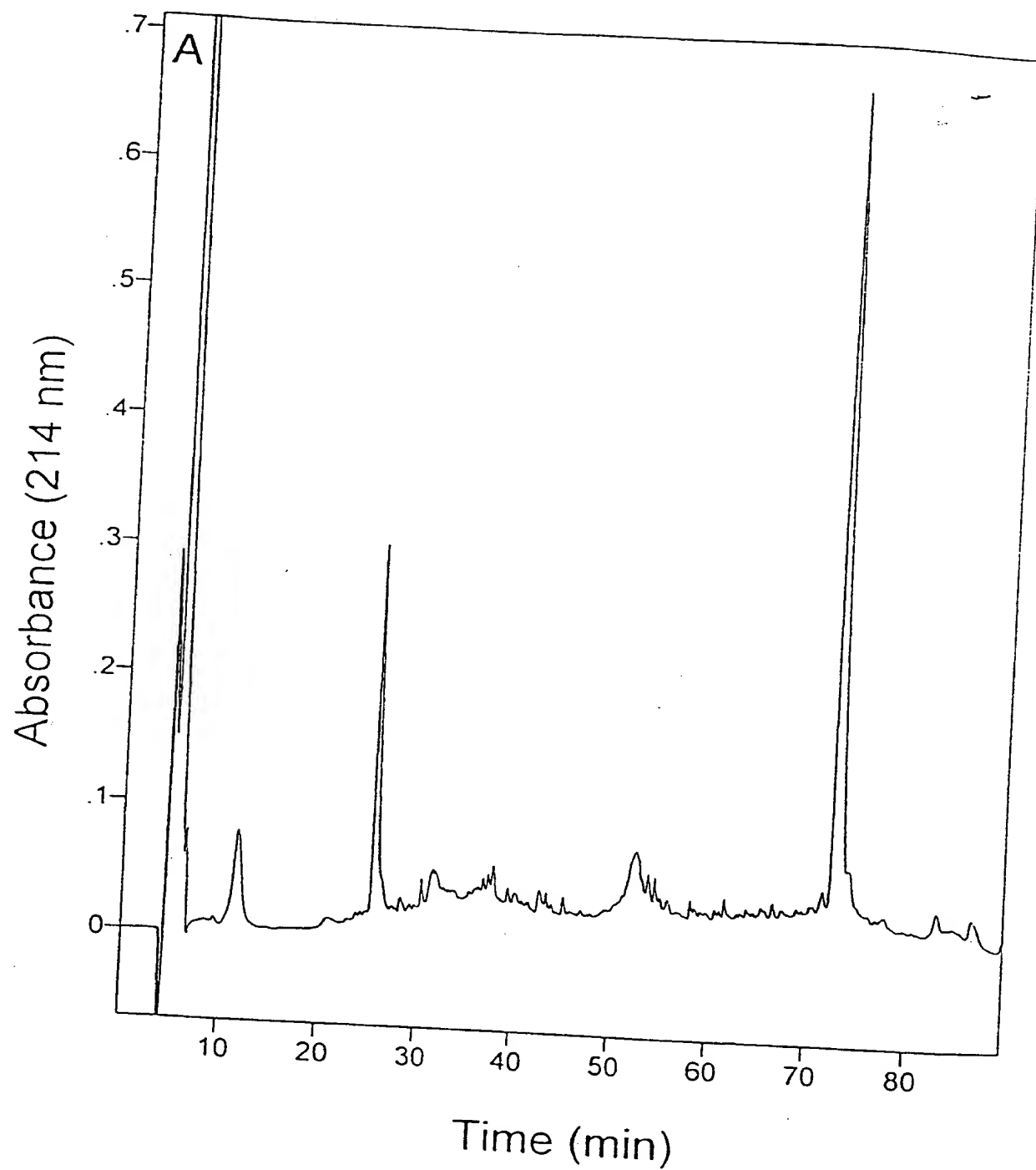
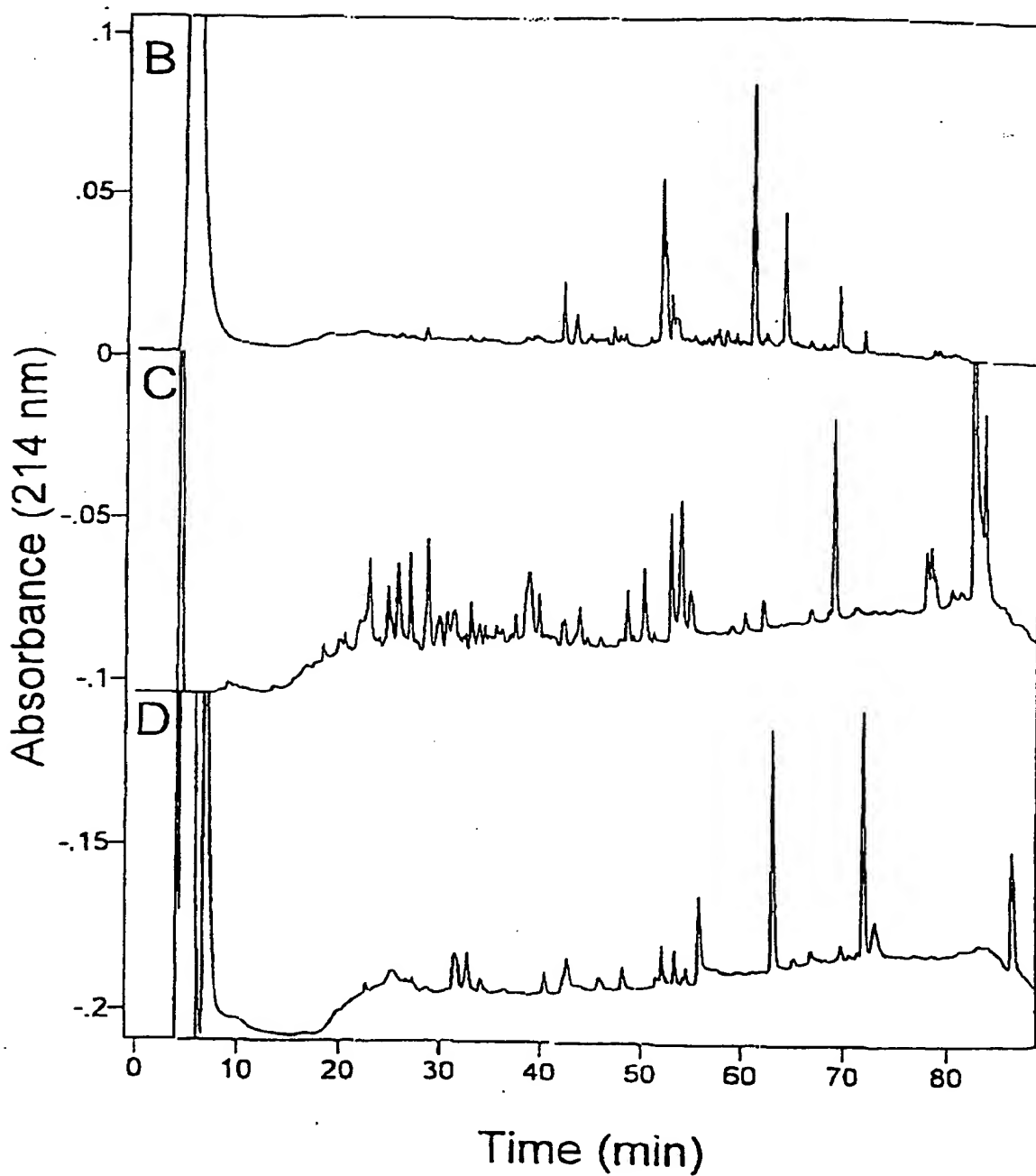


FIGURE 3A

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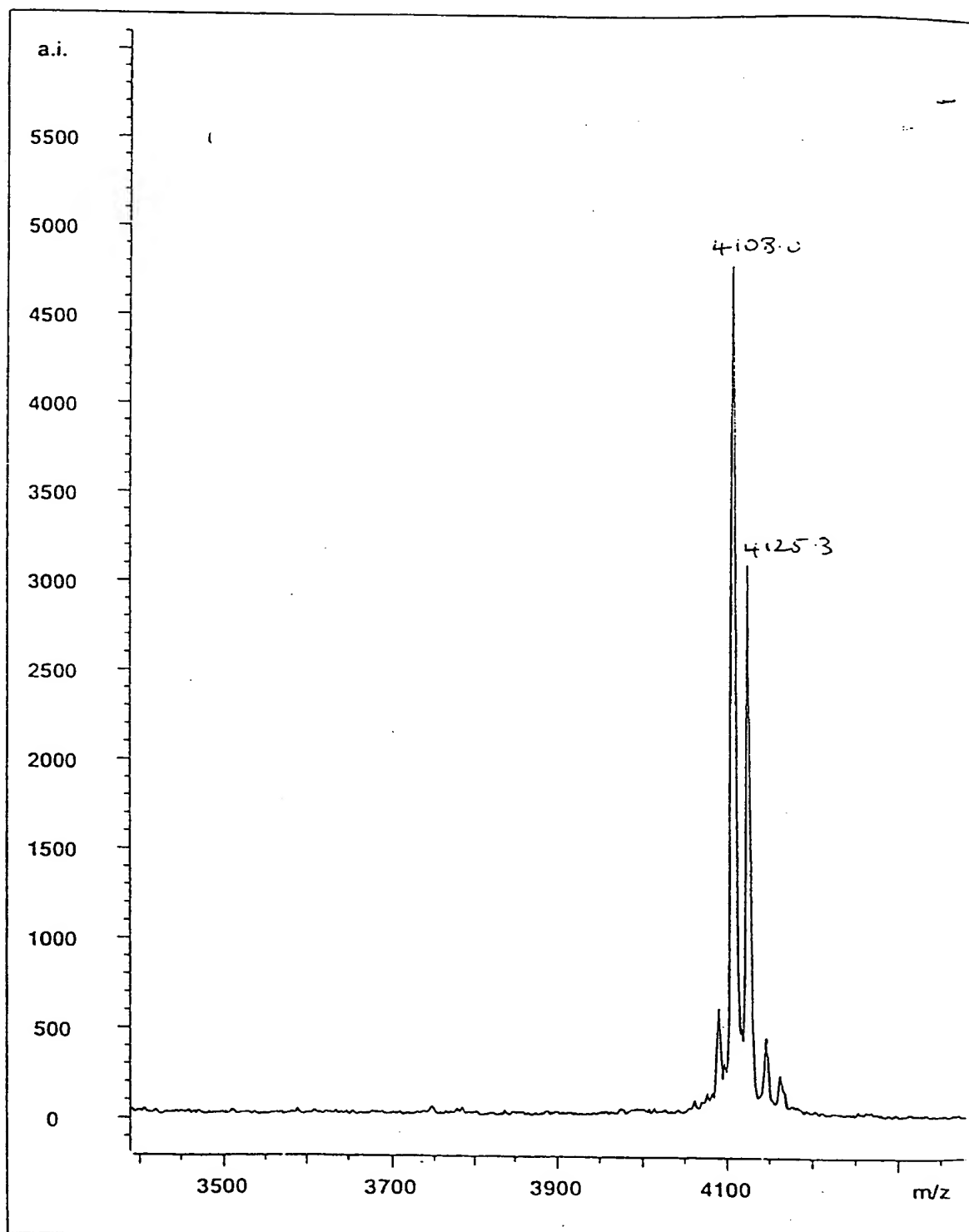
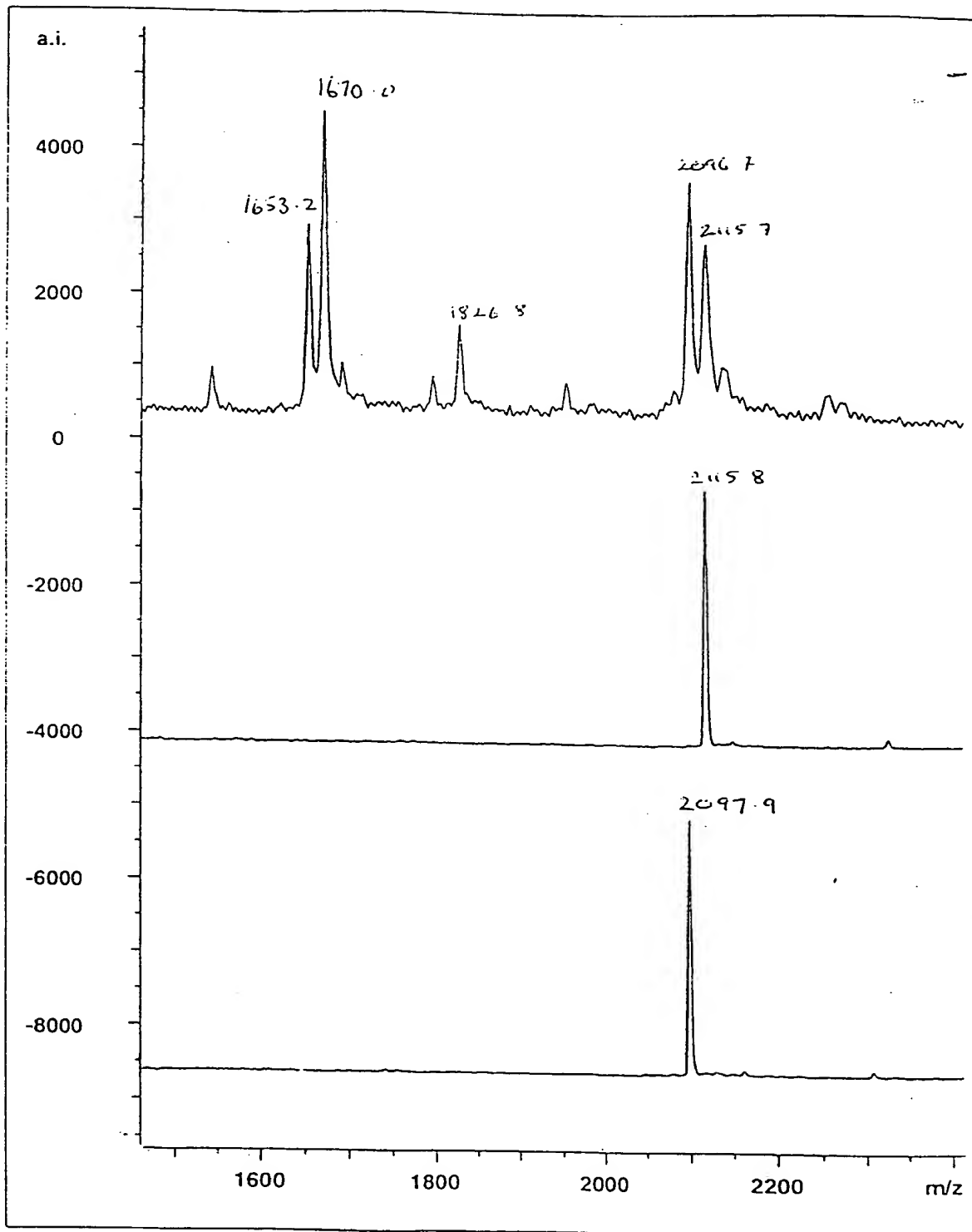


FIGURE 4A

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FIGURES 4B TO 4D

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ONKPPSKPNNDHFHFEVFNFVPCSICSNNPTCWAICK

Fragment 1
4124.7 / 4107.7

ONKPPSKPNNDHFHFEVFNFVPCSICSNNPTCWAICK

Fragment 1R
4128.7 / 4111.7

NFVPCSICSNNPTCW AICK

Fragment 2
2115.49

NFVPCSICSNNPTCW

Fragment 2R
1685.95

NFVPCSICSNNPTCWAICK

Fragment 3
2097.47

NFVPCSICSNNPTCWAICK

Fragment 3R
2101.51

ICSNNPTCWA

Fragment 4
1107.26

CSICSNNPTCWAICK

Fragment 5
1639.94

CSICSNNPTCW AICK

Fragment 6
1658.0

FIGURE 5

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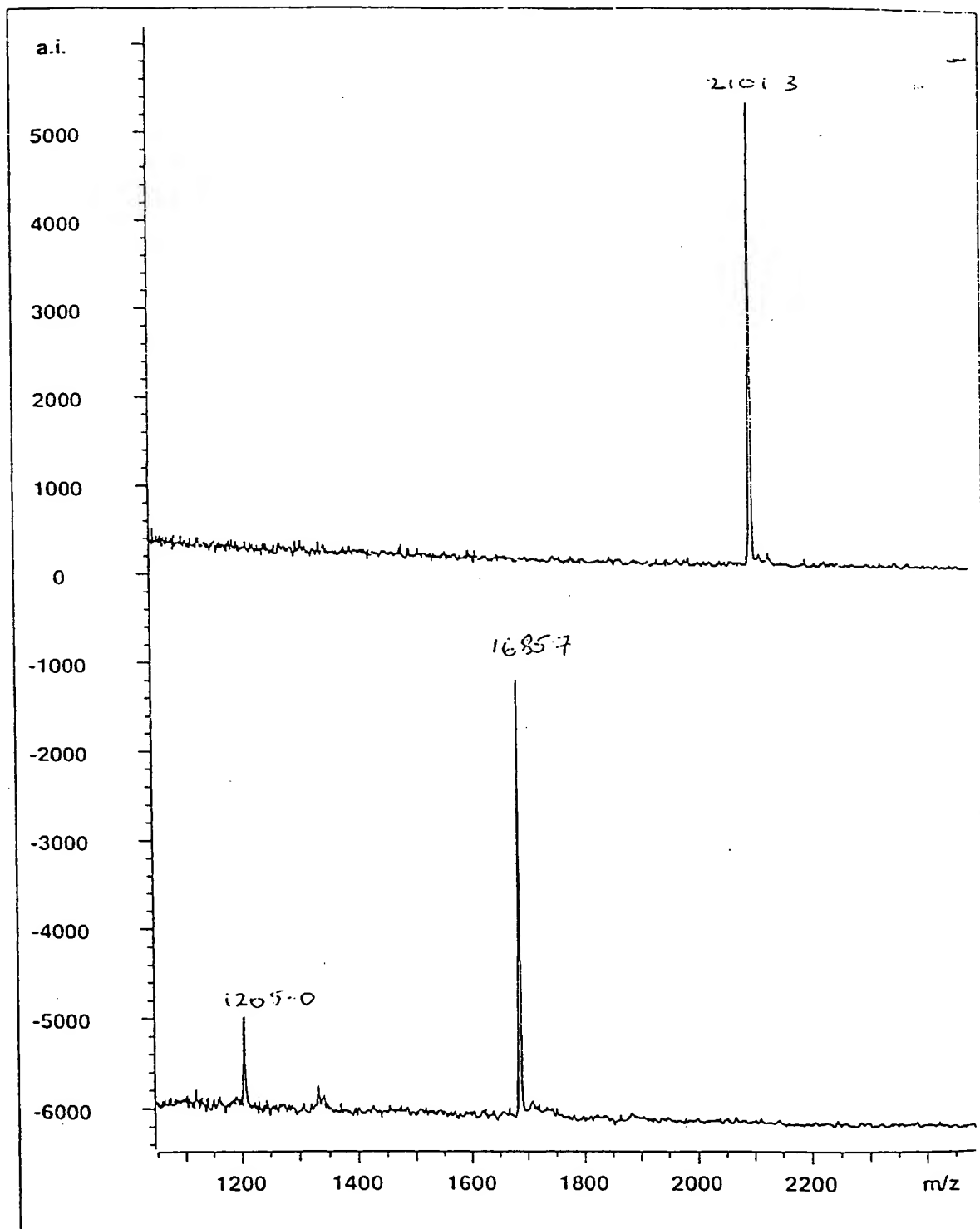


FIGURE 6

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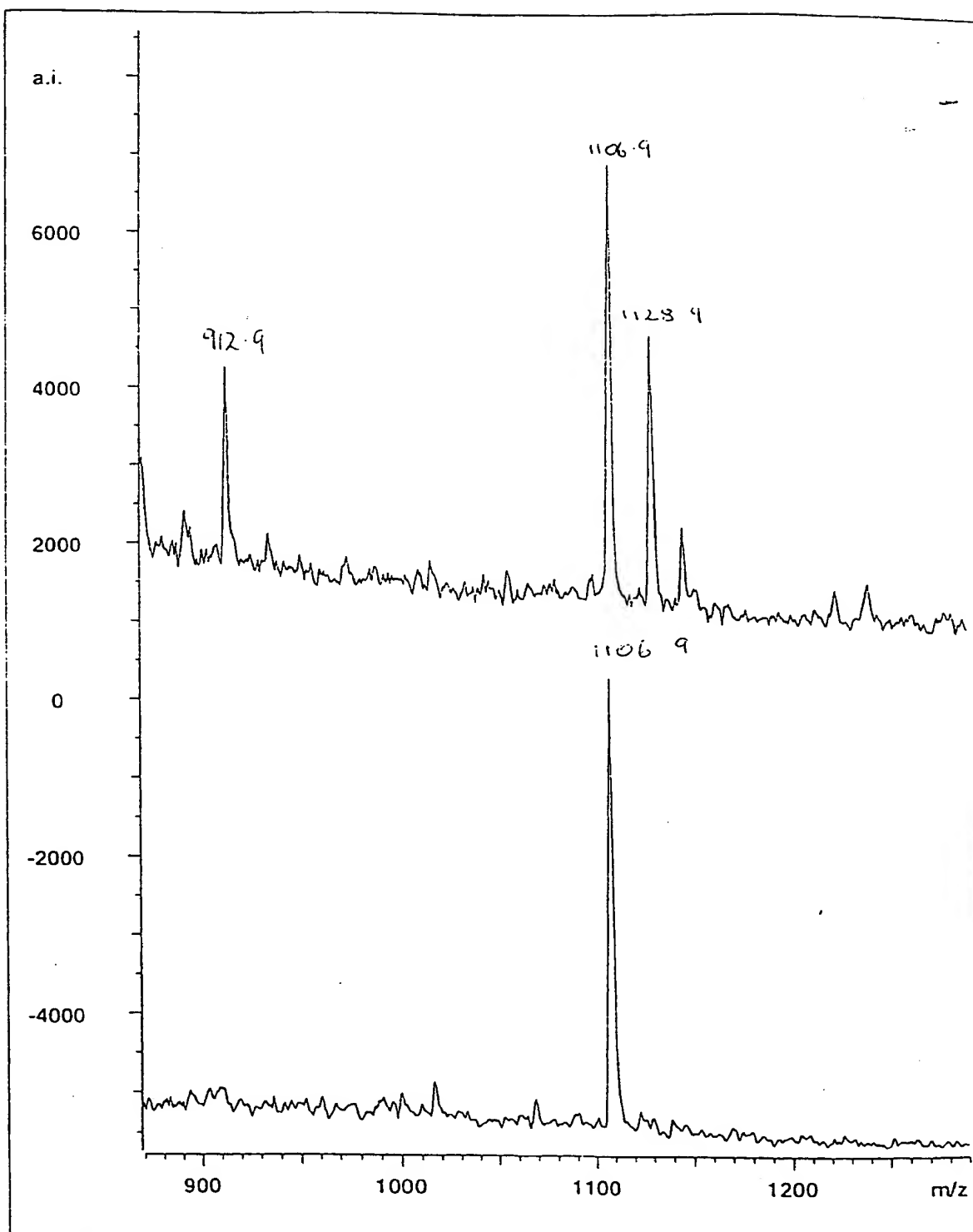


FIGURE 7

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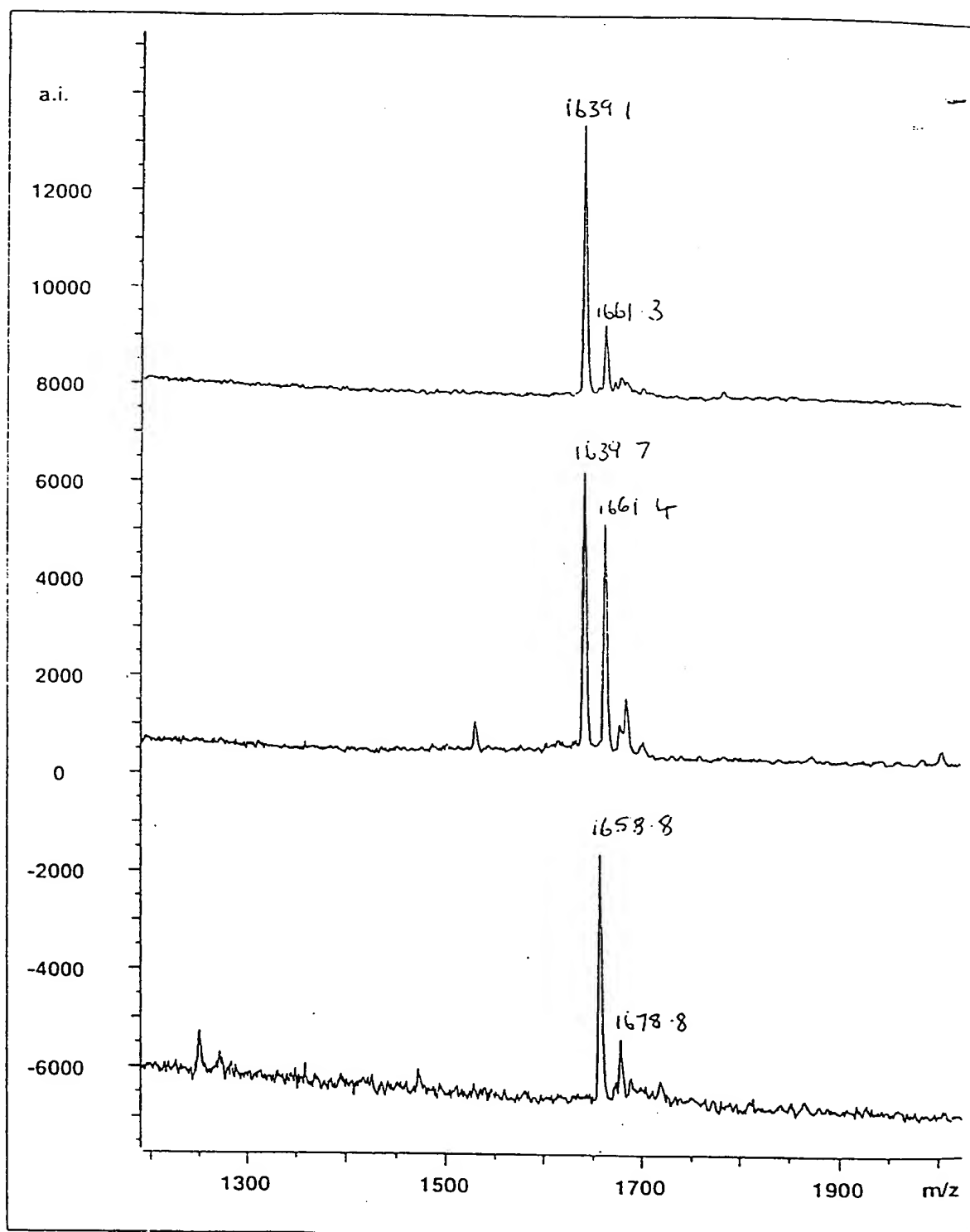


FIGURE 8

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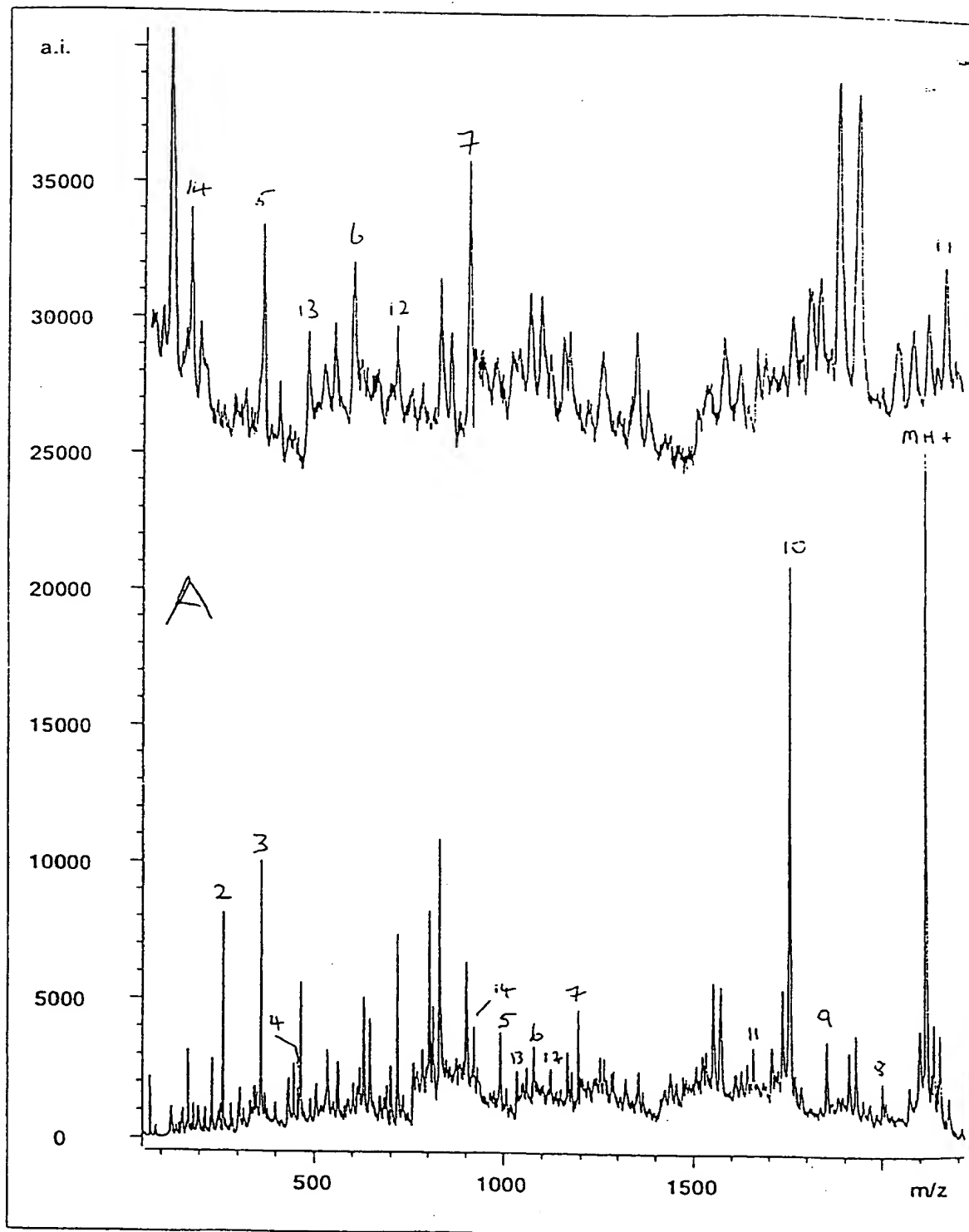
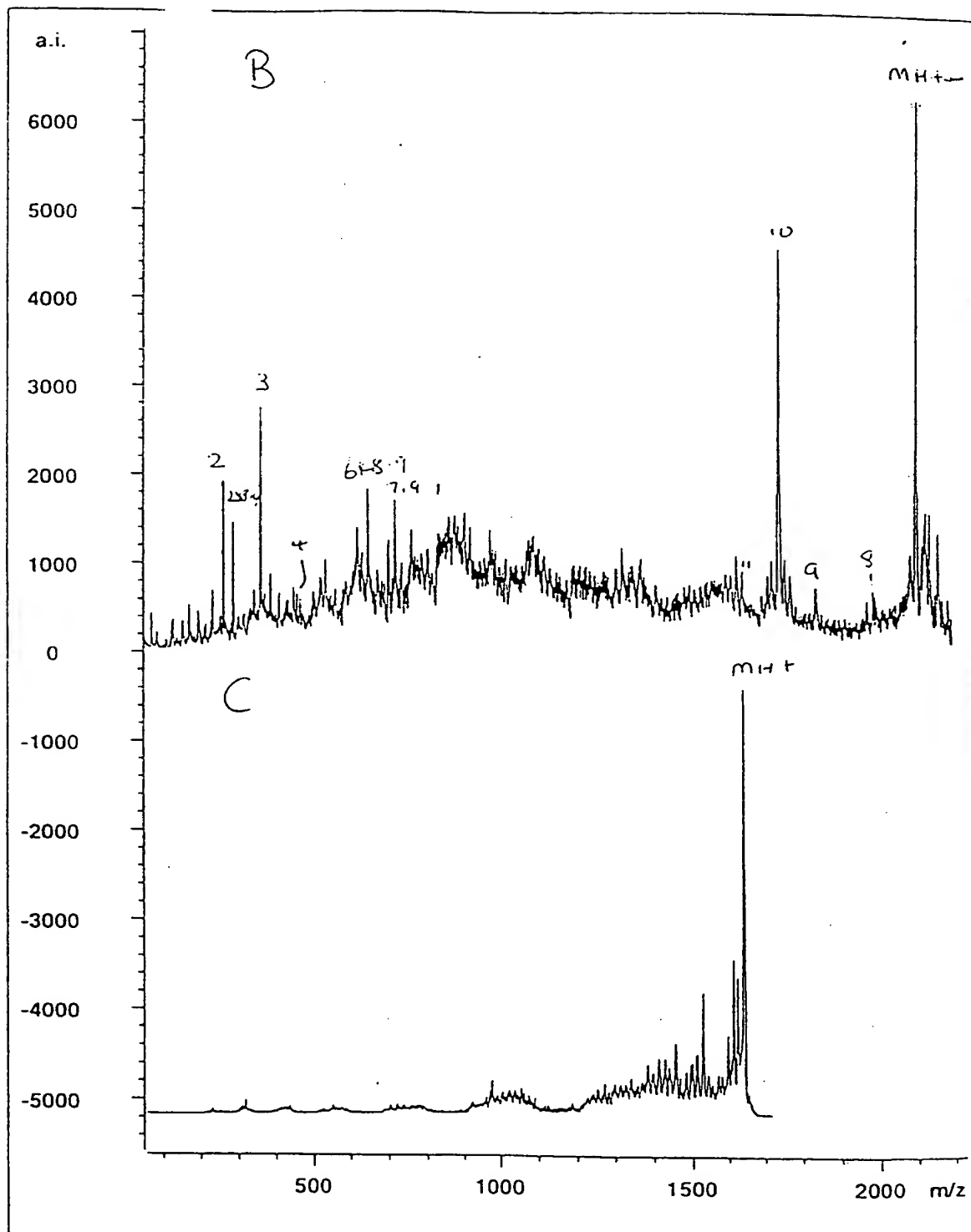


FIGURE 9A

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FIGURES 9B & 9C

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864021" SE020260

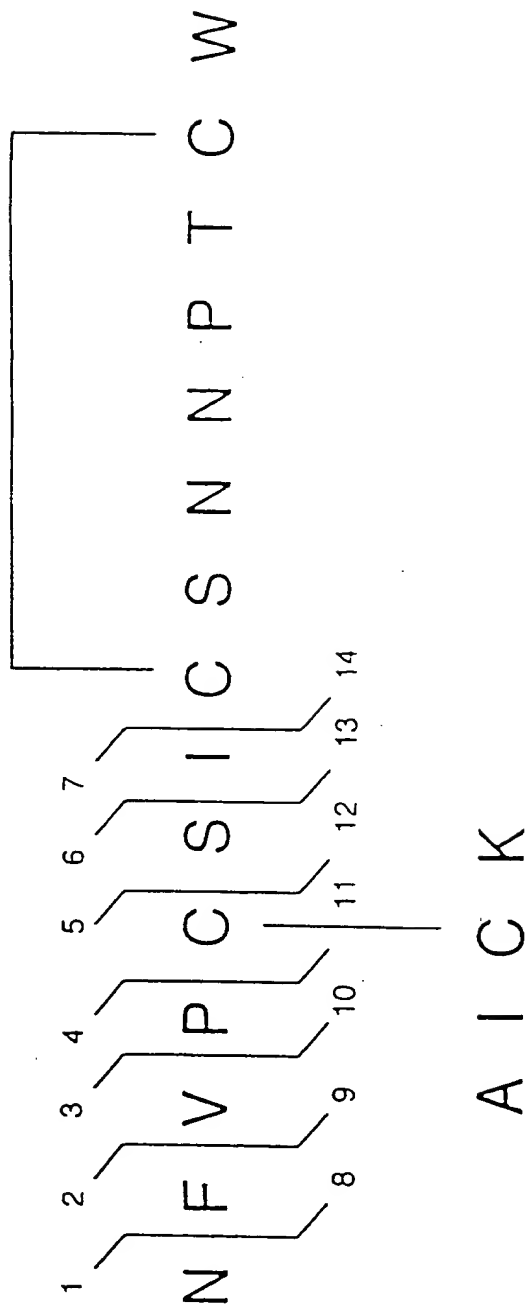


FIGURE 10

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150	KQRQNKPPSKPNDFHFEVFNFP	CS	CSNNPT	CWAI	CKRIPNKKPGKK	Human A
160	-S-SKN--K--KD-Y-----	-G--QL-KS--	-T--SN--K--			Human B
170	NPSGSI--ENHQDHNN-QTLPY----	T-EG-LA-LSL-HIETRA-SRA				Bovine
180	SSQKSN-SEIQQDYSDFQILPY---	N--EGDSA-LSL-QDRSESILD-A				Ovine
190						
195						

FIGURE 11



150 | 160 | 170 | 180 | 190 | 195 |
1 ACKQRQNKPPSKPNNDFHFEVFNFPVPCSI CSNNPTCWAICKRIPNKKPGKKamide
2 ACKQRQNKPPSKPNNDFHFEVFNFPVPCSI CSNNPTCWAICKRIPamide
3 AcFHFEVFNFPVPCSI CSNNPTCWAICKRIPNKKPGKKamide
4 ACKQRQNKPPSKPNNDFHFEVFNFPVPCSI CGamide
5 fitcKQRQNKPPSKPNNDFHFEVFNFPVPCSI CSNNPTCWAICKRIPNKKPGKKamide
6 fitcFHFEVFNFPVPCSI CSNNPTCWAICKRIPNKKPGKKamide
7 bbKQRQNKPPSKPNNDFHFEVFNFPVPCSI CSNNPTCWAICKRIPNKKPGKKamide
8 biotKQRQNKPPSKPNNDFHFEVFNFPVPCSI CSNNPTCWAICKRIPNKKPGKKamide
9 fitcVTRQRRARNGASRS

FIGURE 12

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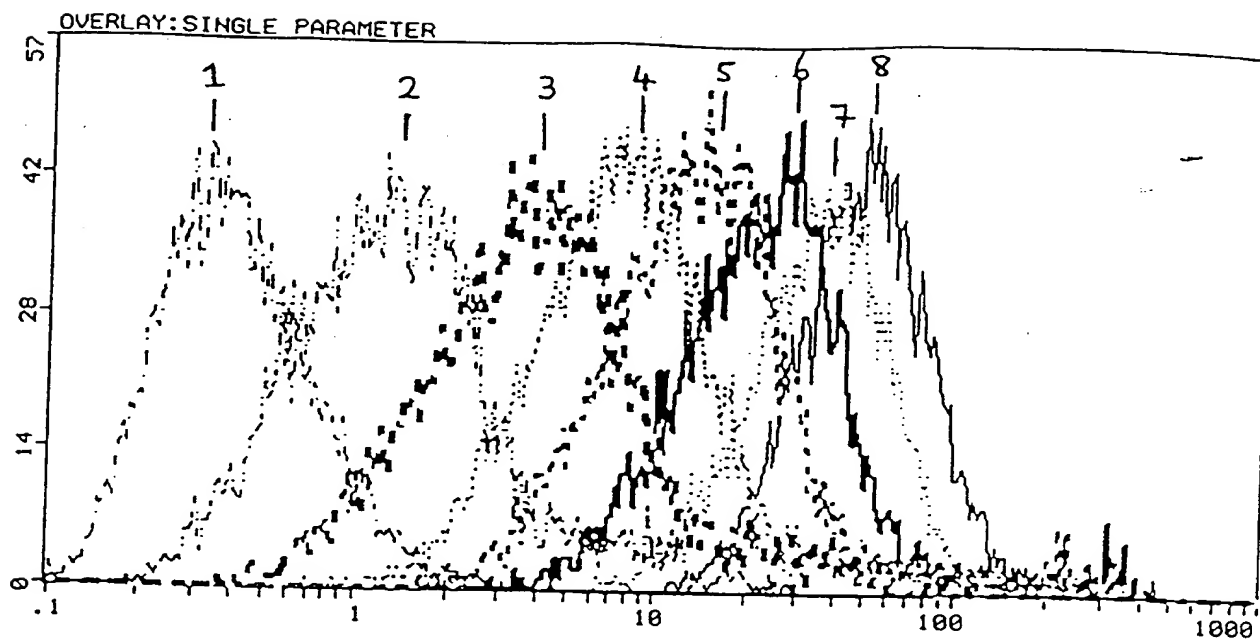


FIGURE 13

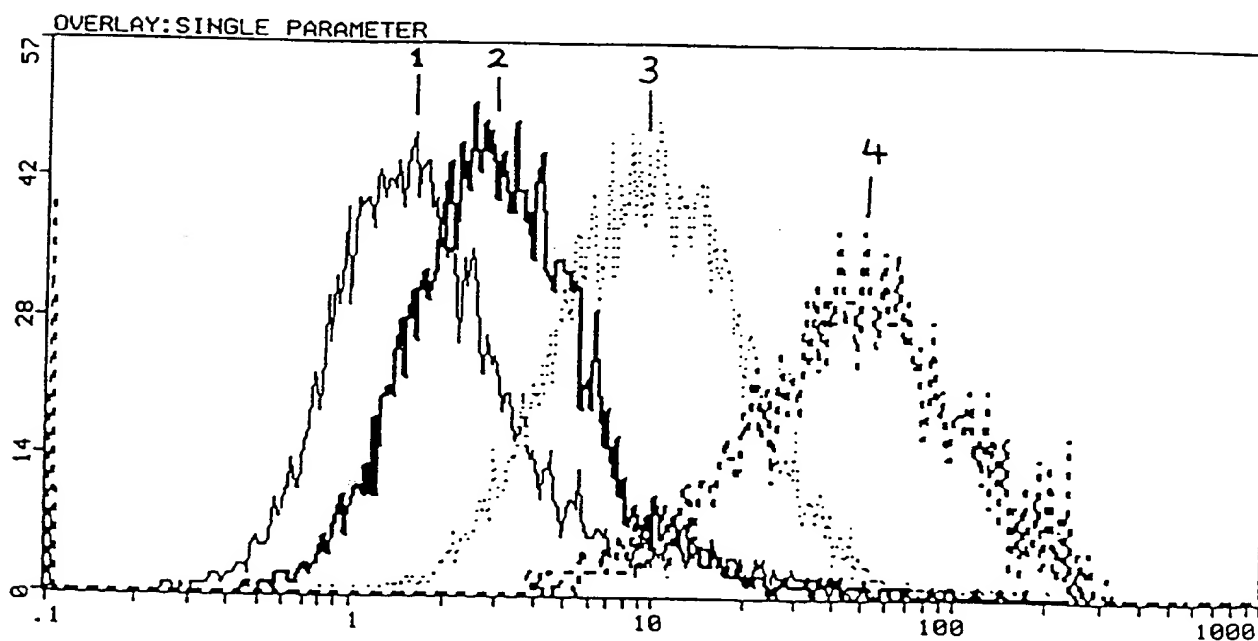


FIGURE 14

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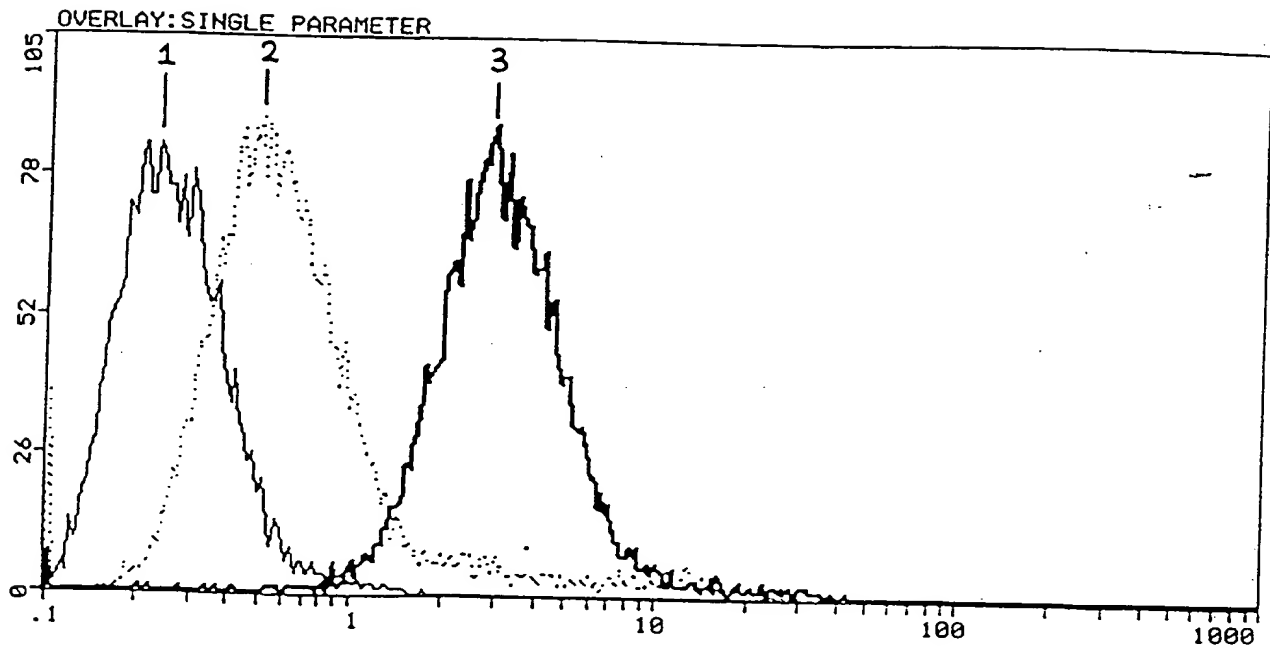


FIGURE 15

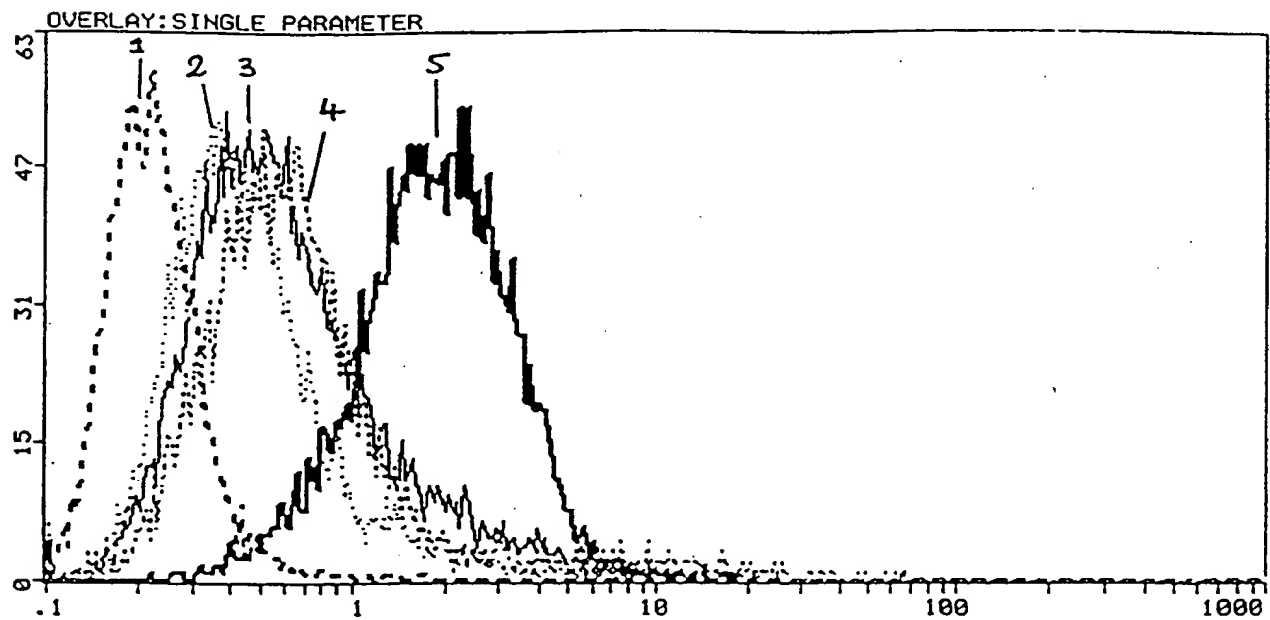


FIGURE 16

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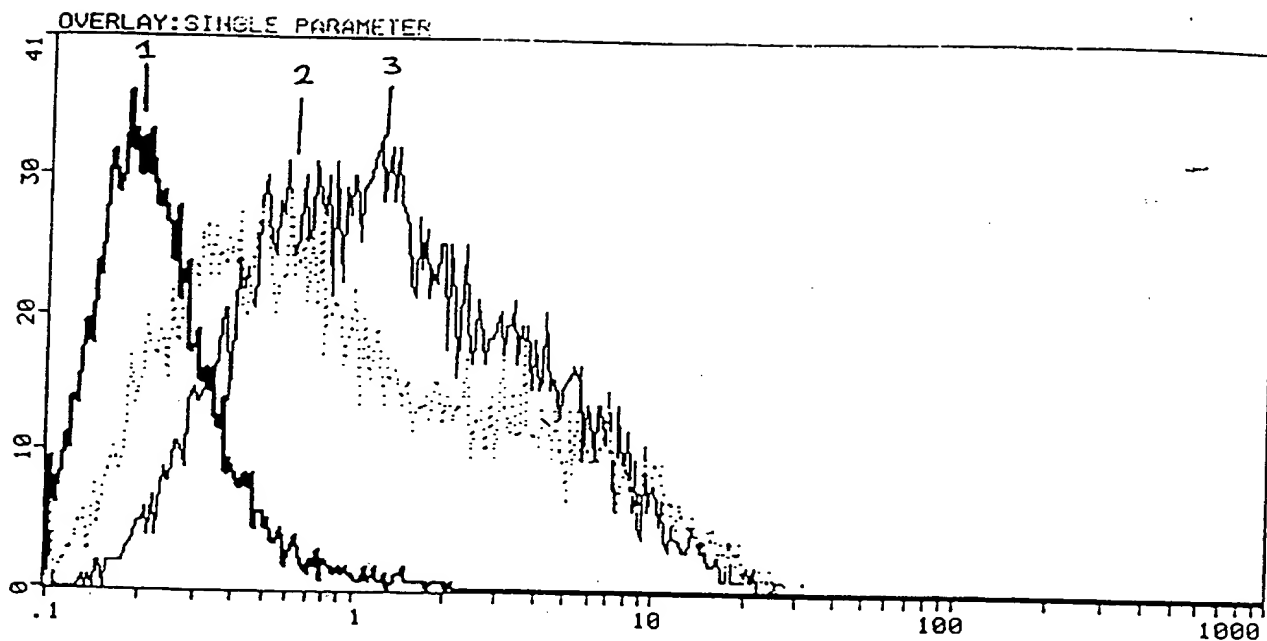


FIGURE 17

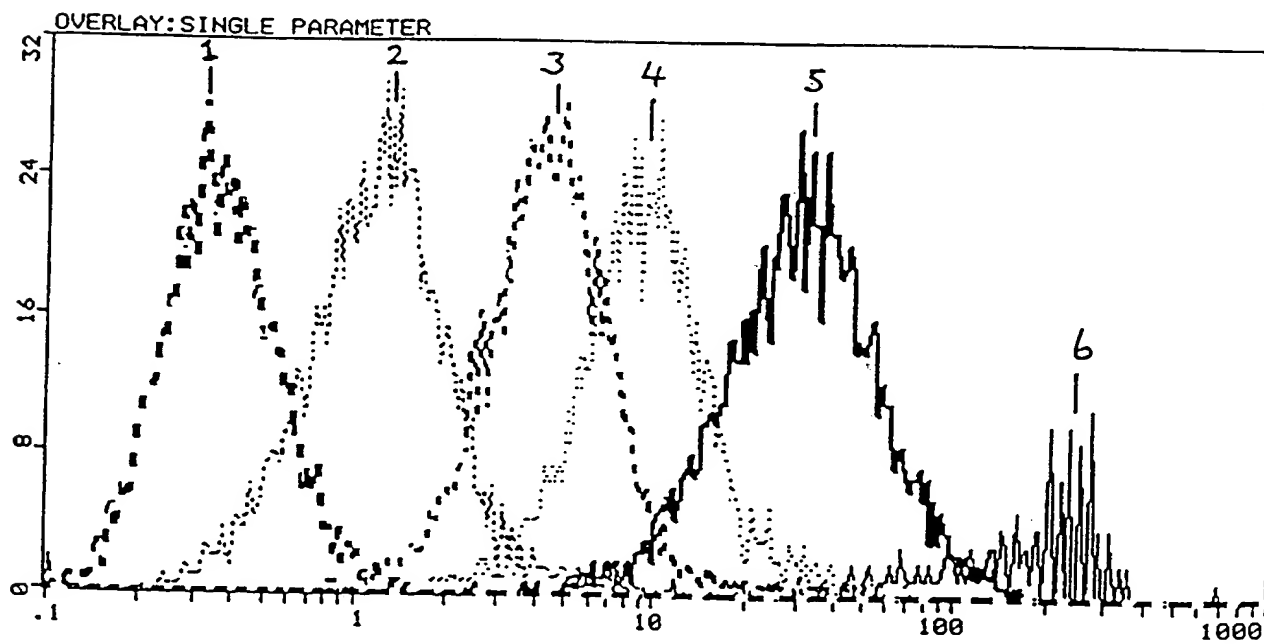


FIGURE 18

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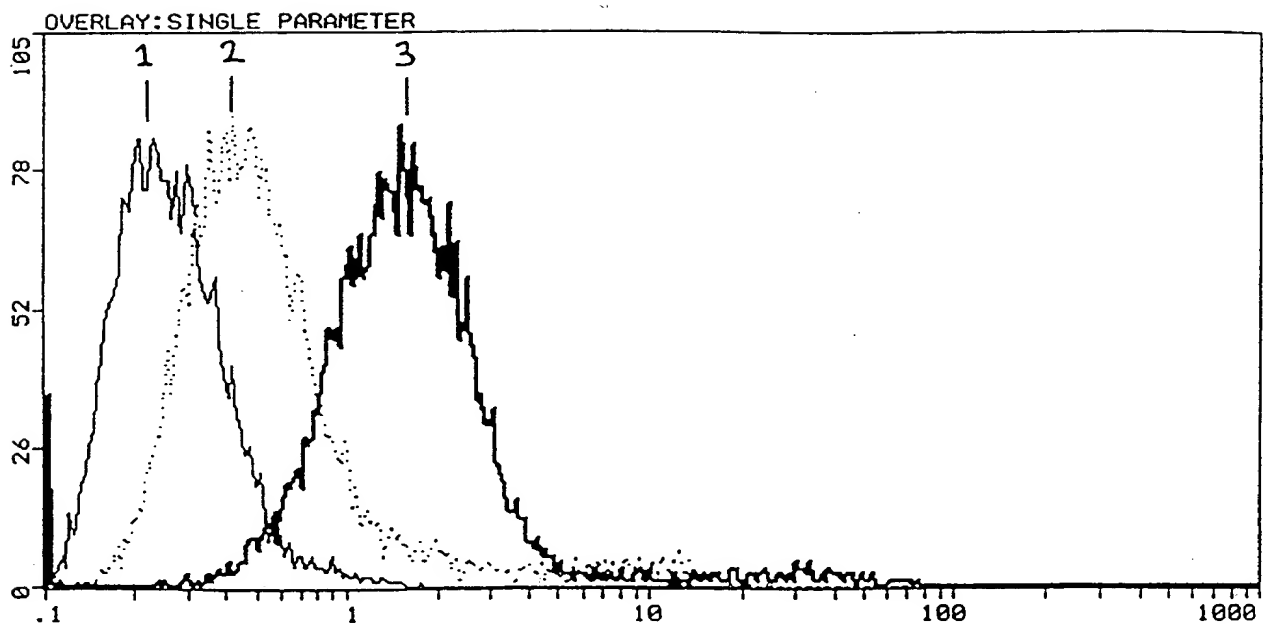


FIGURE 19

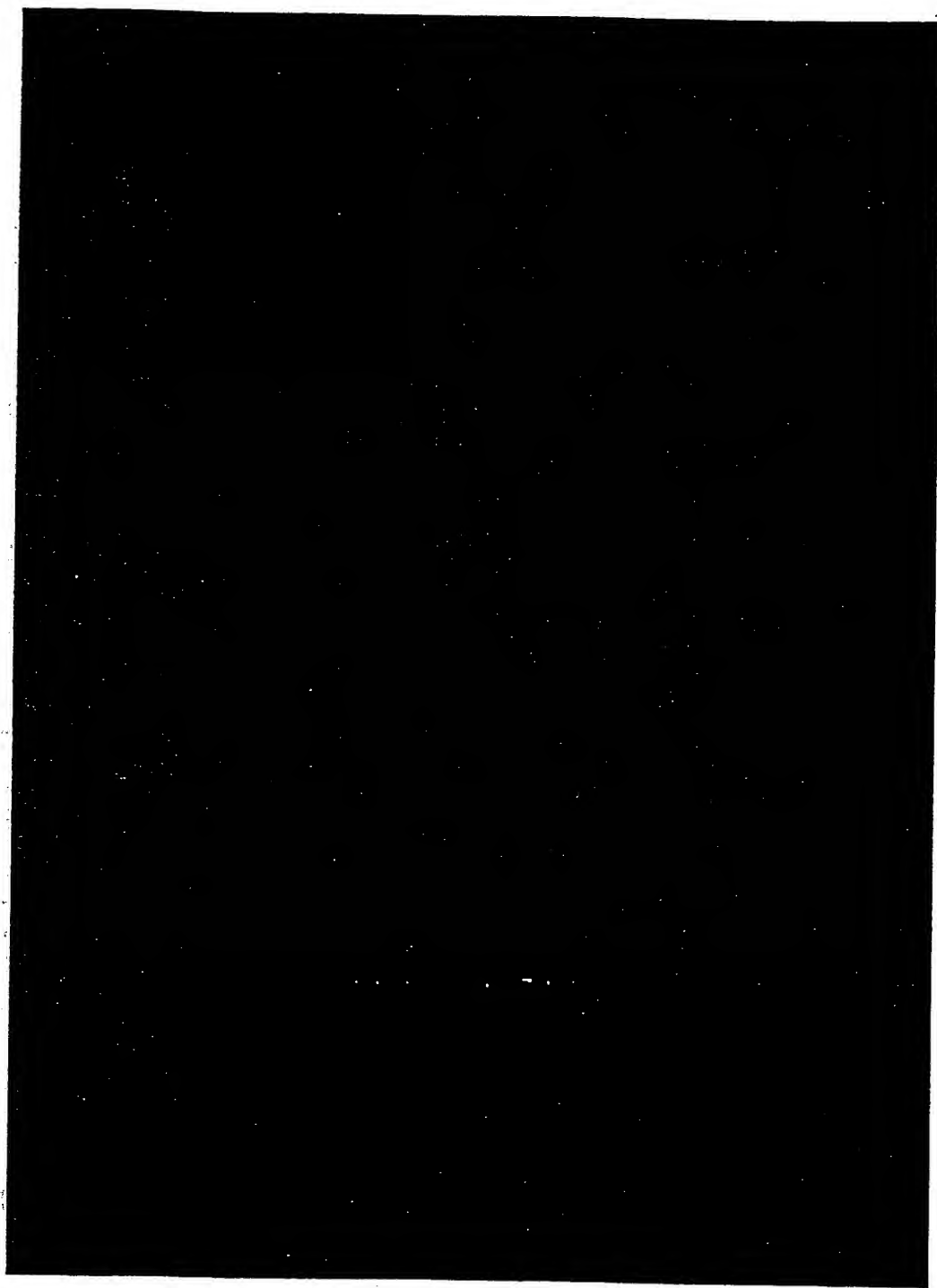


FIGURE 20

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864027" 5E020260

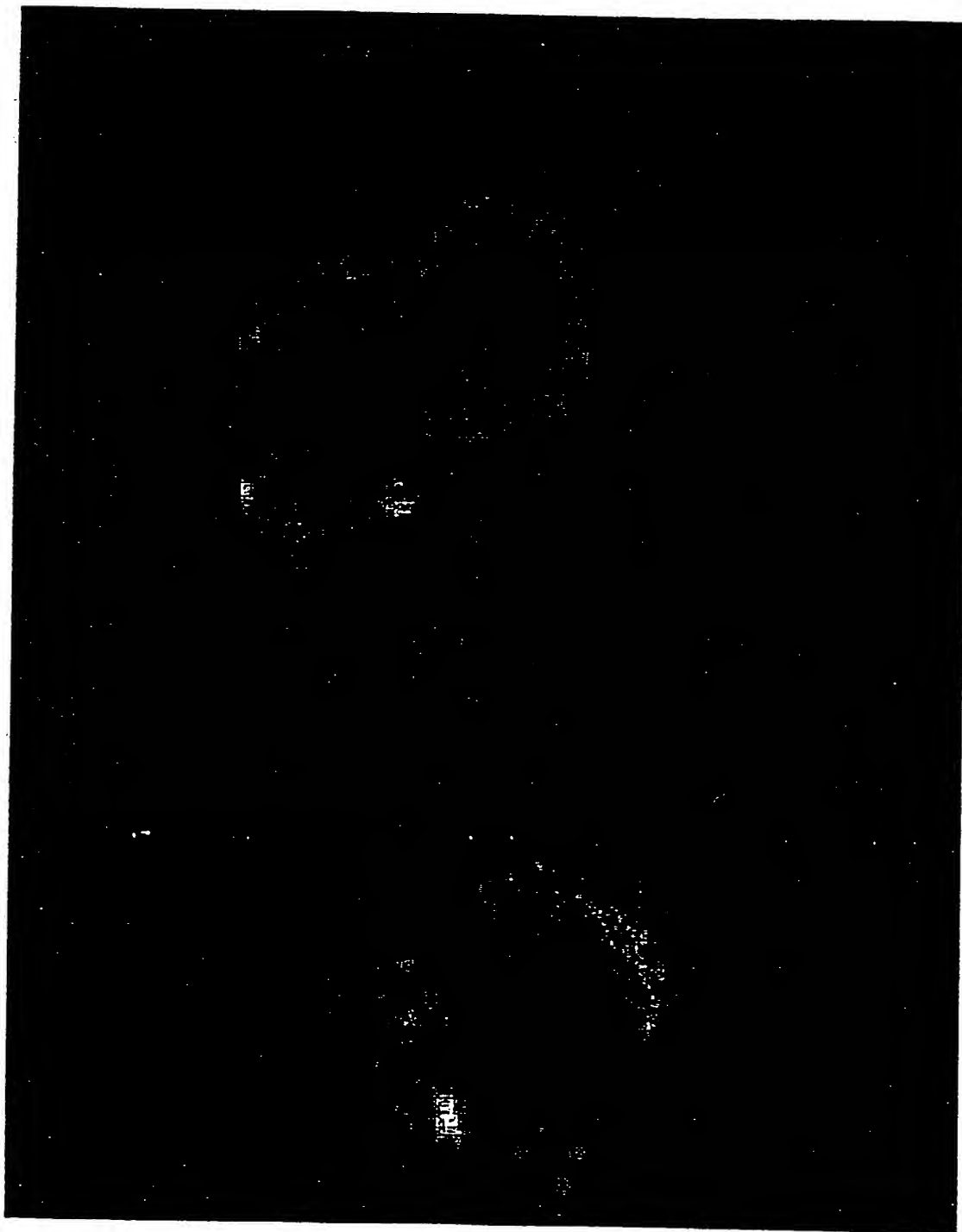


FIGURE 21

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FIGURE 22